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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

Complete if Known

Application Number	10/820,386
Filing Date	
First Named Inventor	Norman M. Ladouceur
Art Unit	2854
Examiner Name	Dan Colilla
Attorney Docket Number	555255012632

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DC		US- 4,845,319	07/04/1989	Watkins et al.	
		US- 5,212,356	05/18/1993	English	
		US- 4,918,271	04/17/1990	Deeg	
		US- 4,803,321	02/07/1989	Lefebvre	
		US- 4,778,952	10/18/1988	Watkins et al.	
		US- 6,670,562 B2	12/30/2003	Kaneko	
		US- 6,525,278 B2	02/25/2003	Villain et al.	
		US- 6,268,578 B1	07/31/2001	Nakai	
		US- 6,080,941	06/27/2000	Yokobori	
		US- 5,389,757	02/14/1995	Souliere	
		US- 2003/0098853 A1	05/29/2003	Ladouceur et al.	
DC		US- 4,500,758	02/19/1985	Guckenheimer	
		US- 4,524,249	06/18/1985	Farrell	
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner
Signature

/Daniel Colilla/

Date
Considered

10/31/2006

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PTO/SB/08A (08-03)

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Complete if Known

Application Number	10/820,386
Filing Date	04/08/2004
First Named Inventor	Norman M. Ladouceur
Art Unit	2604 2854
Examiner Name	Don Grillo
Attorney Docket Number	555255012632

U. S. PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Footnote
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
DC	B2	EP 04008613.4-2214	09/03/2004	Search Report		
↓	B3	DE 36 31 428 A1	03/17/1988	Telefunken		
	B4	EP 1 211 590 A1	06/05/2002	Nokia		
DC	B5	FR 2 534 413 A1	04/13/1984	Festo		

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Signature**

/Daniel Colilla/

Date Considered

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